

ABSTRACT

There is provided a polyamide-based laminated film with a multi-layered structure including 5 or more layers, comprising (a) an aromatic polyamide layer, (b) an aliphatic polyamide layer and (c) a layer made of a mixture containing an aromatic polyamide and an aliphatic polyamide at a weight ratio of 5:95 to 20:80, said layer (c) being disposed adjacent to the layer (a) and/or the layer (b), and said film having 5 or less pinholes per 497 cm² as measured after subjecting the film to 3000 cycles of repeated flexing operation at a temperature of 23°C and a relative humidity of 50%, using a Gelboflex tester. The polyamide-based laminated film is free from interlaminar peeling between the aliphatic polyamide layer and the aromatic polyamide layer, and can exhibit excellent properties including an oxygen gas-barrier property, a flex/pinhole resistance, a transparency, a heat resistance and a toughness. The polyamide-based laminated film in which at least one layer of the film is a polyamide-based resin layer containing a hindered phenol-based antioxidant in an amount of 0.01 to 0.5% by weight, and a thickness of the polyamide-based resin layer is 10% or more but less than 80% of a whole thickness of the film, the resultant laminated film is further excellent in hydrothermal resistance and adhesion to other plastic films and, therefore, can be suitably used as a packaging material for foods, medical products and drugs or chemicals which tend to be deteriorated in quality upon exposure to oxygen.